

AMENDMENTS TO THE CLAIMS

Claims 1-44 (Canceled)

45. (New) An EL sheet comprising:

- a counter electrode layer;
- a dielectric layer;
- a light-emitting layer;
- a transparent electrode layer made of an electroconductive polymer; and
- a sheet base member,

wherein a light-transmitting adhesive layer excellent in adhesiveness to the electroconductive polymer is disposed between the transparent electrode layer made of the electroconductive polymer and the light-emitting layer.

46. (New) An EL sheet according to Claim 45, wherein further a light-transmitting adhesive layer excellent in adhesiveness to the electroconductive polymer is further disposed between the transparent electrode layer made of the electroconductive polymer and the sheet base member.

47. (New) An EL sheet comprising:

- a counter electrode layer;
- a dielectric layer;
- a light-emitting layer;
- a transparent electrode layer made of an electroconductive polymer; and
- a sheet base member,

wherein at least one resin-base binder selected from a group consisting of a polyester-base binder, an acrylic binder, a cyanoacrylate-base binder and an ethylene-vinyl acetate-base binder or a synthetic rubber-base binder represented by urethane is disposed between the transparent electrode layer made of electroconductive polymer and the light-emitting layer.

48. (New) An EL sheet according to Claim 47, wherein further at least one resin-base binder selected from a group consisting of a polyester-base binder, an acrylic binder, a cyanoacrylate-base binder and an ethylene-vinyl acetate-base binder or a synthetic rubber-base binder represented by urethane is further disposed between the transparent electrode layer made of electroconductive polymer and the sheet base member.

49. (New) An EL sheet according to Claim 45, wherein fluororesin is used as a binder for at least one of the dielectric layer and the light-emitting layer.

50. (New) An EL sheet according to Claim 45, wherein a polyester-base resin or an acrylic resin is used as a binder for the light-emitting layer, and fluorineresin is used as a binder for the dielectric layer.

51. (New) An EL sheet according to Claim 45, wherein an ion-exchange material is dispersed in at least one of the counter electrode layer, the dielectric layer, the light-emitting layer, the transparent electrode layer made of electroconductive polymer and the light-transmitting adhesive layer.

52. (New) An EL sheet according to Claim 48, wherein a polyester-base resin or an acrylic resin is used as a binder for the light-emitting layer, and a fluororesin is used as a binder for the dielectric layer, and an ion-exchange material is dispersed in at least one of the counter electrode layer, the dielectric layer, the light-emitting layer, the transparent electrode layer made of electroconductive polymer and the light-transmitting adhesive layer.

53. (New) A member for lighting a push-button switch comprising:

an EL sheet according to Claim 45, a portion of the EL sheet being formed into a convex shape projecting from a rear side near the counter electrode layer to a top side near the transparent electrode layer; and

a core material having a key top shape being filled into a concave portion of the rear side of the convex shape.

54. (New) An EL sheet according to Claim 45, further comprising at least one second counter electrode layer disposed between the transparent electrode layer and the counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the counter electrode layer.

55. (New) An EL sheet according Claim 45, further comprising at least one second dielectric layer disposed between the transparent electrode layer and the counter electrode layer, the second dielectric layer comprising a synthetic resin and a dielectric substance having a dielectric constant lower than that of a dielectric substance used in the dielectric layer, the second dielectric layer being disposed in contact with the dielectric layer.

56. (New) An EL sheet according to Claim 45, further comprising:

at least one second counter electrode layer disposed between the transparent electrode layer and the counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the counter electrode layer, and

at least one second dielectric layer disposed between the transparent electrode layer and the counter electrode layer, the second dielectric layer comprising a synthetic resin and a dielectric substance having a dielectric constant lower than that of a dielectric substance used in the dielectric layer, the second dielectric layer being disposed in contact with the dielectric layer.

57. (New) An EL sheet comprising:

a counter electrode layer;

a dielectric layer;

a light-emitting layer;

a transparent electrode layer made of an electroconductive layer; and

a sheet base member,

wherein a binder for the light-emitting layer is different from that of the dielectric layer and excellent in adhesiveness to the electroconductive polymer.

58. (New) An EL sheet according to Claim 57, wherein a light-transmitting adhesive layer excellent in adhesiveness to the electroconductive polymer is disposed between the transparent electrode layer made of the electroconductive polymer and the sheet base member.

59. (New) An EL sheet according to Claim 57, wherein the binder for the light-emitting layer is at least one resin-base binder selected from a group consisting of a polyester-base binder, an acrylic binder, a cyanoacrylate-base binder and an ethylene-vinyl acetate-base binder, or a synthetic rubber-base binder represented by urethane.

60. (New) An EL sheet according to Claim 57, wherein a fluororesin is used as a binder for the dielectric layer.

61. (New) An EL sheet according to Claim 57, wherein an ion-exchange material is dispersed in at least one of the counter electrode layer, the dielectric layer, the light-emitting layer and the transparent electrode layer made of electroconductive polymer.

62. (New) An EL sheet according to Claim 57, further comprising at least one second counter electrode layer disposed between the transparent electrode layer and the counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the counter electrode layer.

63. (New) An EL sheet according to Claim 57, further comprises:

at least one second counter electrode layer disposed between the transparent electrode layer and the counter electrode layer, the second counter electrode layer comprising a synthetic resin and a conductive filler which comprises nickel or carbon as a

main conductive ingredient and is dispersed in the synthetic resin, the second counter electrode layer being disposed in contact with the counter electrode layer, and

at least one second dielectric layer disposed between the transparent electrode layer and the counter electrode layer, the second dielectric layer comprising a synthetic resin and a dielectric substance having a dielectric constant lower than that of a dielectric substance used in the dielectric layer, the second dielectric layer being disposed in contact with the dielectric layer.